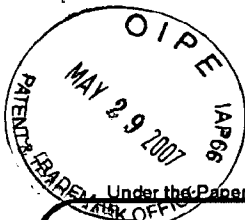


Receipt date: 05/29/2007

1057257 PAT GAU 2133  
2186

PTO/SB/21 (02-04)

Approved for use through 07/31/2006. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	10/572,572
	Filing Date	March 17, 2006
	First Named Inventor	Mats SVENSSON
	Art Unit	2133
	Examiner Name	Unassigned
Total Number of Pages in This Submission	Attorney Docket Number	0110-101

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks Also enclosed: 8 of 11 documents cited in IDS		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Kenneth B. Leffler Registration No. 36,075
Signature	<i>Kenneth B. Leffler</i>
Date	May 25, 2007

## CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Kenneth B. Leffler		
Signature	<i>Kenneth B. Leffler</i>	Date	May 25, 2007

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /RV/



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Mats SVENSSON

Application No.: 10/572,572

Filed: March 17, 2006

For: **IN-PLACE DATA  
DEINTERLEAVING**

)  
)  
) Group Art Unit: 2133  
)  
) Examiner: Unassigned  
)  
) Confirmation No.: 2846  
)  
)  
)  
)

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicant hereby submits the following information in conformance with 37 C.F.R. §§1.97 and 1.98. Pursuant to 37 C.F.R. §1.98 and the waivers of September 21, 2004 and that specified in United States Patent and Trademark Office OG Notices of 05 August 2003, copies of only those documents that are not U.S. patents, not U.S. patent application publications, and not co-pending U.S. patent applications filed on or after June 30, 2003 are enclosed.

- PCT International Search Report, dated December 30, 2004, in connection with International Application No. PCT/EP2004/010871;
- "In-Place Reordering of Data Using A Double Buffer" IBM Technical Disclosure Bulletin, IBM Corp. New York, US, Vol. 36, no. 4, 1 April 1993 pages 95-97, XP000364453, ISSN: 0118-8689;
- FICH, F.E. et al: "Permuting" Proceedings of the 31<sup>st</sup> Annual Symposium on Foundations of Computer Science, St. Louis, MO, USA, 22-24 Oct. 1990. IEEE Comp. Soc. Press, Los Alamitos, CA, USA, 22 October 1990, pages 372-379, XP010021000, ISBN: 0-8186-2082-X;
- HANNA, S.A: "Convolutional Interleavings for Digital Radio Communications" International Conference on Universal Personal Communications, IEEE, New York, NY, US, vol. 1, 12 October 1993, pages 443-447, XP000600275;

- European Patent Application Publication No. EP 0 715 416 A2, published June 5, 1996;
- International Publication No. WO 01/82054 A1, published November 1, 2001;
- Japanese Publication No. JP 3260722, published November 20, 1991. No English translation of this Japanese document is readily available to the undersigned. The relevance of the document is indicated in the attached English language abstract.
- United States Patent Application Publication No. US 2002/0046329 A1, published April 18, 2002;
- United States Patent No. 5,862,189, issued January 19, 1999;
- United States Patent No. 5,943,040, issued August 24, 1999.
- PCT International Preliminary Report on Patentability, dated April 3, 2006, in connection with International Application No. PCT/EP2004/010871.

This information is being submitted within 3 months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later, therefore no fee or statement is required under 37 C.F.R. §1.97(b).

To assist the Examiner, the documents are listed on the attached form PTO/SB/08. It is requested that an Examiner-initialed copy of these forms be returned to the undersigned.

Respectfully submitted,

Potomac Patent Group PLLC

Date: May 25, 2007

By: Kenneth B. Leffler

Kenneth B. Leffler

Registration No. 36,075

P.O. Box 270  
Fredericksburg, VA 22404  
703-718-8884

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:  
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

May 25, 2007

Kenneth B. Leffler  
Kenneth B. Leffler, Reg. No. 36,075



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	10/572,572
Filing Date	March 17, 2006
First Named Inventor	Mats SVENSSON
Art Unit	2133
Examiner Name	Unassigned
Attorney Docket Number	0110-101

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 2002/0046329 A1	04-18-2002	Song	
		US- 5,862,189	01-19-1999	Huiskens et al.	
		US- 5,943,040	08-24-1999	Rice	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		EP 0 715 416 A2	06-05-1996	AT&T Corporation		
		WO 01/82054 A1	11-01-2001	UBINETICS Ltd.		
		JP 3260722	11-20-1991	NEC Corporation	(w/ English abstract)	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /RV/

PTO/SB/08B (08-03)

Approved for use through 07/31/2008. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number	10/572,572		
		Filing Date	March 17, 2006		
		First Named Inventor	Mats SVENSSON		
		Art Unit	2133		
		Examiner Name	Unassigned		
Sheet	2	of	2	Attorney Docket Number	0110-101

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		PCT International Search Report, dated December 30, 2004, in connection with International Application No. PCT/EP2004/010871	
		"In-Place Reordering of Data Using A Double Buffer" IBM Technical Disclosure Bulletin, IBM Corp. New York, US, Vol. 36, no. 4, 1 April 1993 pages 95-97, XP000364453, ISSN: 0118-8689	
		FICH, F.E. et al: "Permuting" Proceedings of the 31 <sup>st</sup> Annual Symposium on Foundations of Computer Science, St. Louis, MO, USA, 22-24 Oct. 1990. IEEE Comp. Soc. Press, Los Alamitos, CA, USA, 22 October 1990, pages 372-379, XP010021000, ISBN: 0-8186-2082-X	
		HANNA, S.A: "Convolutional Interleavings for Digital Radio Communications" International Conference on Universal Personal Communications, IEEE, New York, NY, US, vol. 1, 12 October 1993, pages 443-447, XP000600275	
		PCT International Preliminary Report on Patentability, dated April 3, 2006, in connection with International Application No. PCT/EP2004/010871	

Examiner Signature	/Ralph Verderamo III/	Date Considered	09/21/2009
--------------------	-----------------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /RV/